

## **Listing of Claims**

This listing of claims will replace all prior versions and listings of claims in the application:

1.-38. (Canceled)

39. (Currently Amended) The method of claim [[38]] 48, wherein said one or more compounds that binds said reverse transcriptase is an azido-labeled compound.

40. (Previously Presented) The method of claim 39, wherein said azido-labeled compound is azido dipyrrodiasepinona or *N*-[4-chloro-3-(3-methyl-2-butenyloxy)phenyl]-2-methyl-3-furanocarbothiamide.

41. (Previously Presented) The method of claim 39, wherein said azido-labeled compound is *N*-[4-chloro-3-(3-methyl-2-butenyloxy)phenyl]-2-methyl-3-furanocarbothiamide.

42. (Currently Amended) The method of claim [[38]] 48, wherein the irradiation is with UV light.

43. (Currently Amended) The method of claim [[38]] 48, wherein reverse transcriptase is comprised in an HIV particle.

44. (Previously Presented) The method of claim 43, wherein said HIV particle is HIV-1.

45. (Previously Presented) The method of claim 44, wherein said HIV-1 is Group M or Group O.

46. (Previously Presented) The method of claim 45, wherein said Group M are selected from the group consisting of clade A, clade B, clade C, clade D, clade E, clade F, clade G, clade H, and clade I.

47. (Previously Presented) The method of claim 45, wherein said Group M particles are clade B particles.
48. (Currently Amended) ~~The method of claim 38, further~~ A method comprising:  
obtaining a reverse transcriptase that has been inactivated by binding said reverse  
transcriptase with one or more compounds and then irradiating said reverse  
transcriptase; and  
administering the inactivated reverse transcriptase to a subject.
49. (Currently Amended) The method of claim 48, wherein the subject ~~[[in]]~~ is human.
50. (Previously Presented) The method of claim 49, further defined as a method of vaccination.
- 51.-56. (Canceled)